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Attention:

Via:

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Attention:

Subject: Progress Report Number 3 Date 1 August to 31 August 1957

Contract Number: RD 77 Task Order "F"

References:Enclosure : (A) Financial Data

Work performed during the period 1 July through 31 August 1957 consisted of fabrication of the small sized (card) slides. These were to be fabricated by the photographic method.

Future work planned is to fabricate the standard sized slides and containers by the photographic method in accordance with the results set forth in the discussion below.

Problems Encountered:

It has been agreed to revise the overlay concept to have five (5) adjustment slots based on a 1/8 inch spacing per slot rather than the three (3) 3/16th slots of the prototype model. Approximately one hundred (100) additional overlays will be included, covering blond hair types and additional Oriental and Negroid types.

The contractor has been currently conducting studies on the utilization of a printing process for the fabrication of the large sized foils. The analysis of the process has shown that direct printing on acetate foil provides an adequate line reproduction; however, the print lines are subject to wear and tear in usage. Therefore, additional study was made in preparing laminate foils or overlays for these slides. The basic slide thickness is .005 with each overlay .0015. Pressing the overlays on both sides of the foil results in a total foil thickness of .007. These were quite adequate. Inspector [] has stated

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that he does not believe the laminated model will be adequate for the environmental conditions encountered by the user, and therefore, it is his opinion that we should return to the printed method without overlay. On the other hand, this has already been rejected by [redacted] [redacted] due to the lack of the print face.

The results of the meeting held at the contractor's plant during August brought out the fact that the user would rely upon Inspector [redacted] in determining the requirements for this unit and since Inspector [redacted] does not wish to use the overlay printed foil, we, the contractor, are forced to return to the photographic method of foil production, even though it is slower and much more expensive.

We trust that the above meets with your approval and invite comment thereto.

Sincerely,

[redacted]

Assistant Chief Engineer

JRD:F

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